

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene)

ABS 775T

Features

Refrigerator sheet, Thin layer use

Applications

Refrigerator inner case, door liner (Cyclepentane foaming agent use)

Physical	Test Method	Value
Density	ASTM D792	1.04 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	4.5 g/10min
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	6 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %
Mechanical	Test Method	Value
Tensile Strength	ASTM D638	480 kgf/cm ² (6,720) (psi)
Elongation	ASTM D638	20 %
Flexural Strength	ASTM D790	670 kgf/cm ² (9,380) (psi)
Flexural Modulus	ASTM D790	24,000 kgf/cm ² (340,800) (psi)
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	40 kgf-cm/cm (7.3) (ft-lb/in)
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	32 kgf-cm/cm (5.9) (ft-lb/in)
Rockwell Hardness(R scale)	ASTM D785	107
Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	88 °C (190) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	98 °C (208) (°F)
Flammability	Test Method	Value
Flame Rating - UL (1.6mm)	UL 94	HB

Notes

These are just typical properties, not specifications. Users should confirm results by their own test.